

ABSTRACT

HYDROGEN GENERATOR WITH PRESSURE RELIEF FUNCTION

A hydrogen generator with pressure relief function includes a water tank having an accommodation space for accommodating electrolytic water, an electrolysis module arranged in the accommodation space of the water tank to electrolyze the electrolytic water from the water tank to generate gas comprising hydrogen, a humidifying cup arranged above the water tank to humidify the gas comprising hydrogen and having a humidifying chamber and a gas flow channel which are isolated from each other, and the gas flow channel is connected with the water tank. A first valve component is configured to selectively connect the humidifying chamber and an external environment, and a second valve component is configured to selectively connect the accommodation space and the humidifying chamber. When the electrolysis module stops operating, an external air from the external environment enters into the accommodation space through the first valve component and the second valve component.

Figure 1